IPC ASSOCIATION CONNEC	© Copyright 2005. I	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both This level	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information				
upplier Info	rmation														
Company name*			Company unique ID			Un	Unique ID Authority					Response Date*			
nsemi											2023-06-08				
Contact Name			Title - Contact			Pho	Phone - Contact*				Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance			N/	NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Pho	Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			N/A	NA				Product-Env-Stewards@onsemi.com				
Reque	ester Item Number	Mfr Item		Mfr Item Name		Ef	ffective Date	Version	Yersion Manufacturing Site		,	Weight*	UOM	Unit Type	
		NCP81231MNTXG USB-PD with		USB-PD with 2 Sw	itch Buck Controlle	troller 2023-06-08 PH1		H1	,	74.24	mg	Each			
	ng Process Informa				COMP OR MICH P. (D 1 T		M. Till I. D. I.	T	- In 1	ch d	,	
5 - 1		· ·		STD-020 MSL Rati	ing	Peak Process Body Temperat		•				er of Reflow Cyc	cles		
•	Tin (Sn) - annealed	C	CU Alloy	1			260		C	30	secon	ids 3			
omments															
	m time at peak temperatu														
r more inform	ation regarding material	composition	please refer t	o page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier have provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	5.45	mg	Supplier	Silicon (Si)	7440-21-3		5.45	mg
Die Attach	0.94	mg	Supplier	Isobornyl Methacrylate	7534-94-3		0.0564	mg
			Supplier	Silver (Ag)	7440-22-4		0.7661	mg
			Supplier	Isobornyl Acrylate	5888-33-5		0.0564	mg
			Supplier	Misc.	Proprietary Data		0.0047	mg
			Supplier	Tricyclo[5.2.1.02,6]decanedimethanol Diacrylate (C18H24O4)	42594-17-2		0.0564	mg
Lead Frame	33.98	mg	Supplier	Silver (Ag)	7440-22-4		0.3398	mg
			Supplier	Tin (Sn)	7440-31-5		0.085	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0748	mg
			Supplier	Chromium (Cr)	7440-47-3		0.085	mg
			Supplier	Copper (Cu)	7440-50-8		33.3955	mg
Mold Compound-Black	32.07			Epoxy resin	proprietary data		1.5073	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.207	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0321	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.8164	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.5073	mg
Plating	1.58	mg	Supplier	Tin (Sn)	7440-31-5		1.58	mg
Wire Bond	0.22		Supplier	Palladium (Pd)	7440-05-3		0.004	mg
			Supplier	Copper (Cu)	7440-50-8		0.216	mg